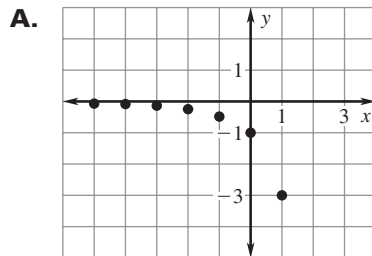
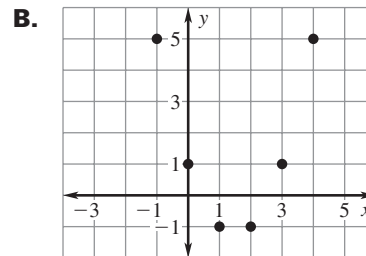
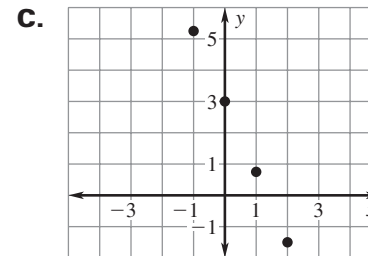
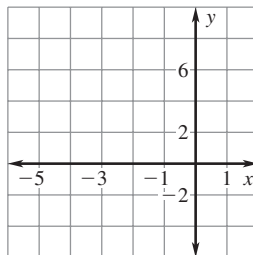
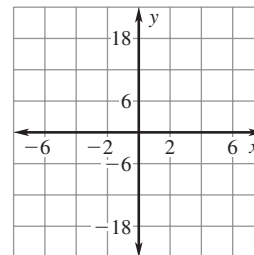
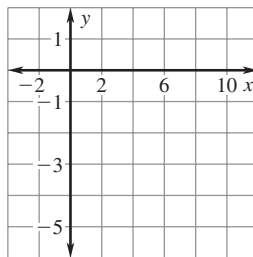
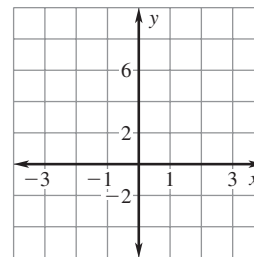
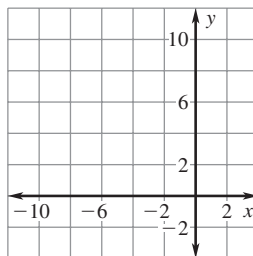
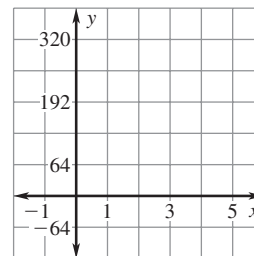


**LESSON
10.8****Practice C**

For use with pages 684–693

Match the function with the graph it represents.**1. Linear function****2. Exponential function****3. Quadratic function****Use a graph to tell whether the ordered pairs represent a *linear function*, an *exponential function*, or a *quadratic function*.****4.** $(-5, 5), (-3, -3), (-1, -3), (0, 0), (1, 5)$ **5.** $(-4, -22), (-2, -12), (0, -2), (2, 8), (4, 18)$ **6.** $(0, -5), (2, -4.5), (4, -4), (6, -3.5), (8, -3)$ **7.** $(-2, 8), (-1, 2), \left(0, \frac{1}{2}\right), \left(1, \frac{1}{8}\right), \left(2, \frac{1}{32}\right)$ **8.** $(-7, 7), (-6, 4), (-5, 3), (-4, 4), (-3, 7)$ **9.** $(0, 1), (1, 4), (2, 16), (3, 64), (4, 256)$ 

LESSON
10.8**Practice C** *continued*
For use with pages 684–693

Tell whether the table of values represents a *linear function*, an *exponential function*, or a *quadratic function*.

10.

x	0	1	2	3	4
y	2	2.1	2.2	2.3	2.4

11.

x	1	2	3	4	5
y	-6	-3	-2	-3	-6

12.

x	-4	-3	-2	-1	0
y	1296	216	36	6	1

13.

x	0	1	2	3	4
y	6	3	0	-3	-6

14.

x	-5	-4	-3	-2	-1
y	-4	-1	0	-1	-4

15.

x	-3	-2	-1	0	1
y	1024	128	16	2	$\frac{1}{4}$

16.

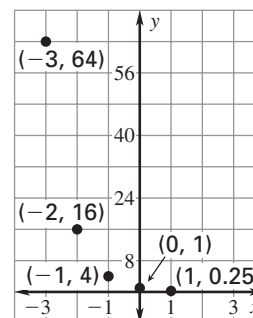
x	-3	-2	-1	0	1
y	15	11	7	3	-1

17.

x	2	3	4	5	6
y	2	-1	-2	-1	2

18. Use the graph shown.

- Which function does the graph represent, an *exponential function* or a *quadratic function*? Explain your reasoning.
- Make a table of values for the points on the graph. Then use differences or ratios to check your answer in part (a).
- Write an equation for the function that the table of values from part (b) represents.



19. **Printer Value** The value V of a printer between 1999 and 2003 is given in the table. Tell whether the data should be modeled by a *linear function*, an *exponential function*, or a *quadratic function*. Then write an equation for the function.

Years since 1999, t	0	1	2	3	4
Value, V (dollars)	2000	1920	1840	1760	1680

20. **Interest** The balance B of an account is given in the table. Tell whether the data should be modeled by a *linear function*, an *exponential function*, or a *quadratic function*. Then write an equation for the function.

Time, t (years)	0	1	2	3	4
Balance, B (dollars)	1020.20	1040.81	1061.84	1083.29	1105.17